

Amendments to the Claims

Claims 1-9 (cancelled).

10. (Currently Amended) A clothing article comprising:
a substrate;
multiple first reservoirs joined with ~~[[a]]~~ the substrate,
wherein selected ones of the multiple first reservoirs include a
reducing agent, and wherein first reservoir surfaces of selected
ones of the multiple first reservoirs are proximate ~~[[to]]~~ a
first substrate surface; and
multiple second reservoirs joined with the substrate, wherein
selected ones of the multiple second reservoirs include an
oxidizing agent, and wherein second reservoir surfaces of
selected one of the multiple second reservoirs are proximate
~~[[to]]~~ the first substrate surface.

11. (Original) The clothing article of claim 10, wherein the
multiple first reservoirs and the multiple second reservoirs are
joined to the first substrate surface.

12. (Original) The clothing article of claim 10, wherein the
multiple first reservoirs and the multiple second reservoirs are
embedded in the substrate.

13. (Original) The clothing article of claim 10, wherein the
substrate includes multiple layers.

Claim 14 (Canceled).

15. (Original) The clothing article of claim 10, wherein the reducing agent and the oxidizing agent are selected to produce redox reactions between the first reservoir surfaces and the second reservoir surfaces, in the presence of an electrically conductive material contacting the second reservoir surfaces and the first reservoir surfaces.

16. (Original) The clothing article of claim 10, wherein selected ones of the second reservoir surfaces are positioned in spaced relation to selected ones of the first reservoir surfaces.

17. (Currently Amended) The clothing article of claim 10, wherein the clothing article ~~includes one or more apparatus~~ is selected from a group of articles the includes underwear, an athletic supporter, a ~~brazier~~ brassiere, a shirt, a sweater, a jacket, a pair of shorts, a pair of pants, insulated pants, a headband, a hat, gloves, mittens, socks, swimwear, a gown, surgical scrubs, a mask, a medical cap, and shoe covers.

Claims 18-22 (Canceled).

23. (Currently Amended) A clothing article comprising:
a substrate having a first surface; and
multiple spaced dissimilar reservoirs joined with the ~~apparatus~~ substrate, wherein the apparatus is electrically self-contained, and upon activation, ~~may generate one of more currents~~ generates a current between the multiple spaced dissimilar reservoirs ~~without~~ absent an external power source.

24. (Currently Amended) The clothing article of claim 23, wherein the multiple spaced dissimilar reservoirs comprise:

a first pattern of ~~one or more first reservoirs~~ at least one first reservoir; and

a second pattern of ~~one or more second reservoirs~~ at least one second reservoir, wherein the second pattern is positioned in spaced relation with the first pattern.

25. (Currently Amended) The clothing article of ~~claim 29,~~ wherein ~~the multiple spaced dissimilar reservoirs comprise:~~

~~a first pattern of one or more first reservoirs, wherein the one or more first reservoirs include silver; and~~

~~a second pattern of one or more second reservoirs, wherein the one or more second reservoirs include zinc, and claim 24,~~ wherein the second pattern is interleaved with the first pattern.

26. (Currently Amended) The clothing article of claim 23, wherein the multiple spaced dissimilar reservoirs comprise:

~~one or more first reservoirs~~ at least one first reservoir; and

~~one or more second reservoirs~~ at least one second reservoir, wherein the ~~one or more first reservoirs and the one or more second reservoirs~~ at least one first reservoir and at least one second reservoir are configured to sustain the ~~one or more currents~~ current for approximately a pre-determined period of time.

Claims 27-51 (Canceled).

52. (Original) A method of manufacturing a clothing article, the method comprising:

joining, with a substrate, multiple first reservoirs wherein selected ones of the multiple first reservoirs include a reducing agent, and wherein first reservoir surfaces of selected ones of the multiple first reservoirs are proximate to a first substrate surface; and

joining, with the substrate, multiple second reservoirs wherein selected ones of the multiple second reservoirs include an oxidizing agent, and wherein second reservoir surfaces of selected ones of the multiple second reservoirs are proximate to the first substrate surface.

53. (Currently Amended) The method of claim 52, wherein joining the multiple first reservoirs and joining the multiple second reservoirs comprises joining using ~~one or more techniques~~ at least one technique selected from a group of techniques consisting of painting, printing, tattooing, screen printing, ink jet printing, chemical deposition, electrochemical deposition, vapor deposition, plating, spray coating, gravure coating, plasma coating, dip coating, vacuum deposition, nanometer scale deposition, sputtering, bonding, and fusing reservoir material onto the first substrate surface.

54. (Original) The method of claim 52, wherein joining the multiple first reservoirs and joining the multiple second reservoirs comprises embroidering the multiple first reservoirs and the multiple second reservoirs onto the substrate.

55. (Original) The method of claim 52, wherein joining the multiple first reservoirs and joining the multiple second reservoirs comprises embedding reservoir material into the substrate.

56. (Original) The method of claim 52, wherein joining the multiple first reservoirs and joining the multiple second reservoirs comprises adhering the multiple first reservoirs and the multiple second reservoirs to the first substrate surface using an adhesive material.

Claims 57-59 (Canceled).

60. (Currently Amended) A method for ~~applying~~ utilizing a clothing article, the method comprising:

applying [[a]] the clothing article in proximity to an area of target tissue, wherein the clothing article includes

multiple first reservoirs joined with a substrate, wherein selected ones of the multiple first reservoirs include a reducing agent, and wherein first reservoir surfaces of selected ones of the multiple first reservoirs are proximate to a first substrate surface; and

multiple second reservoirs joined with the substrate, wherein selected ones of the multiple second reservoirs include an oxidizing agent, and wherein second reservoir surfaces of selected ones of the multiple second reservoirs are proximate to the first substrate surface; and

producing, in response to the applying operation, redox reactions between the first reservoir surfaces and the second reservoir surfaces in the presence of an electrically conductive material contacting the second reservoir surfaces and the first reservoir surfaces.

61. (Currently Amended) The method of claim 60, further comprising:

allowing the clothing article to remain proximate [[to]] a medical condition at the area of target tissue for a period of time.

Claims 62-65 (Canceled).

66. (New) The clothing article of claim 10, wherein the multiple first reservoirs include a first material composition, the first material composition having a first electrical potential, and the multiple second reservoirs include a second material composition, the second material composition having a second electrical potential that is different from the first electrical potential.

67. (New) The clothing article of claim 10, wherein the multiple first reservoirs include a first pattern of reservoirs and the multiple second reservoirs include a second pattern of reservoirs interleaved with the first pattern of reservoirs.

68. (New) The clothing article of claim 10 wherein:
the clothing article further comprises a first insulator formed from at least one first parallel insulator thread arranged in a first direction across a plane;

the multiple first reservoirs include a first reservoir formed from at least one first reservoir thread, the first reservoir being arranged next to and substantially parallel to the first insulator;

the clothing article further comprises a second insulator formed from at least one second parallel insulator thread arranged next to and substantially parallel to the first reservoir; and

the multiple second reservoirs include a second reservoir formed from at least one second reservoir thread, the second reservoir being arranged next to and substantially parallel to the second insulator.

69. (New) The clothing article of claim 68, further comprising:

at least one transverse insulator, formed from at least one transverse insulator thread, woven through the first insulator, the first reservoir, the second insulator, and the second reservoir in a second direction across the plane.

70. (New) The bedding article of claim 23, wherein the multiple spaced dissimilar reservoirs comprise:

at least one first reservoir having silver included therein;
and

at least one second reservoir having zinc included therein.

71. (New) The method of claim 52, wherein joining the multiple first reservoirs and joining the multiple second reservoirs comprises:

combining the multiple first reservoirs, the multiple second reservoirs, and multiple parallel insulators to produce a pattern repeat arranged in a first direction across a plane, the pattern repeat including a sequence of a first one of the parallel insulators, one of the multiple first reservoirs, a second one of the parallel insulators, and one of the multiple second reservoirs; and

weaving multiple transverse insulators through the first parallel insulator, the one first reservoir, the second parallel insulator, and the one second reservoir in a second direction across the plane to produce a woven apparatus.